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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/821,387
		Filing Date	April 9, 2004
		First Named Inventor	HAN, Seok Jin
		Art Unit	2629
		Examiner Name	HERRN, Richard A. Yuk Chow
Sheet	1	of	4
		Attorney Docket Number	08831.0064

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/Y.C./		US-5,010,413	04-23-1991	Bahr	
/Y.C./		US-5,062,057	10-29-1991	Blacken et al	
/Y.C./		US-5,113,274	05-12-1992	Takahashi et al	
/Y.C./		US-6,414,719 B1	07-02-2002	Parikh	
/Y.C./		US-2003/0006978 A1	01-09-2003	Fujiyoshi	
/Y.C./		US-7,046,256 B2	05-16-2006	Credelle	
/Y.C./		US-7,068,287 B2	06-27-2006	Credelle	
/Y.C./		US-7,084,923 B2	08-01-2006	Brown Elliott et al	
/Y.C./		US-2004/0140983 A1	07-22-2004	Credelle	
/Y.C./		US-2005/0099540 A1	05-12-2005	Elliott et al	
/Y.C./		US-2006/0061605 A1	03-23-2006	Credelle	
/Y.C./		US-2006/0238649 A1	10-26-2006	Brown Elliott et al	
/Y.C./		US-5,341,153	08-23-1994	Benzschawel et al	
/Y.C./		US-5,398,066	03-14-1995	Martinez-Uriegas et al	
/Y.C./		US-6,278,434 B1	08-21-2001	Hill et al	
/Y.C./		US-6,360,023 B1	03-19-2002	Betrissey et al	
/Y.C./		US-6,393,145 B2	05-21-2002	Betrissey et al	
/Y.C./		US-6,614,414 B2	09-02-2003	De Haan et al	
/Y.C./		US-6,738,526 B1	05-18-2004	Betrissey et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
/Y.C./		WO 00/42762	07-20-2000	Betrissey et al		

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NON PATENT LITERATURE DOCUMENTS			
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Y.C./		Betrissey, C., et al., "Displaced Filtering for Patterned Displays, SID Symp. Digest 1999, pgs 296-299	
Y.C./		Brown Elliott, C., "Active Matrix Display....", IDMC 2000, 185-189, 8/2000.	
Y.C./		Brown Elliott, C., "Color Subpixel Rendering Projectors and Flat Panel Displays," SMPTE, Feb 27-Mar 1, 2003, Seattle, WA pp 1-4	
Y.C./		Brown Elliott, C, "Co-Optimization of Color AMLCD Subpixel Architecture and Rendering Algorithms," SID 2002 Proceedings Paper, May 30, 2002 pp 172-175	
Y.C./		Brown Elliott, C, "Development of the PenTile Matrix™ Color AMLCD Subpixel Architecture and Rendering Algorithms", SID 2003, Journal Article	
Y.C./		Brown Elliott, C, "New Pixel Layout for PenTile Matrix™ Architecture", IDMC 2002, pp 115-117	
Y.C./		Brown Elliott, C, "Reducing Pixel Count Without Reducing Image Quality", Information Display 12/99, Vol 1, pp 22-25	
Y.C./		Credelle, Thomas, "P-00: MTF of High-Resolution PenTile Matrix Displays", Eurodisplay 02 Digest, 2002 Pages 1-4	
Y.C./		Klompenshouwer, Michiel, "Subpixel Image Scaling for Color Matrix Displays, SID Symp. Digest, 05/02, pp 176-179	
Y.C./		Michiel A. Klompenshouwer, Gerard de Haan, Subpixel image scaling for color matrix displays, Journal of the Society for Information Display, Volume 11, Issue 1, March 2003, pp. 99-108	

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/Y.C./		Messing, Dean et al., Improved Display Resolution of Subsampled Colour Images Using Subpixel Addressing, IEEE ICIP 2002, Vol 1, pp 625-628	
/Y.C./		Messing, Dean et al., Subpixel Rendering on Non-Striped Colour Matrix Displays, 2003 International Conf on Image Processing, 9/2003, Barcelona, Spain, 4 pages	

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